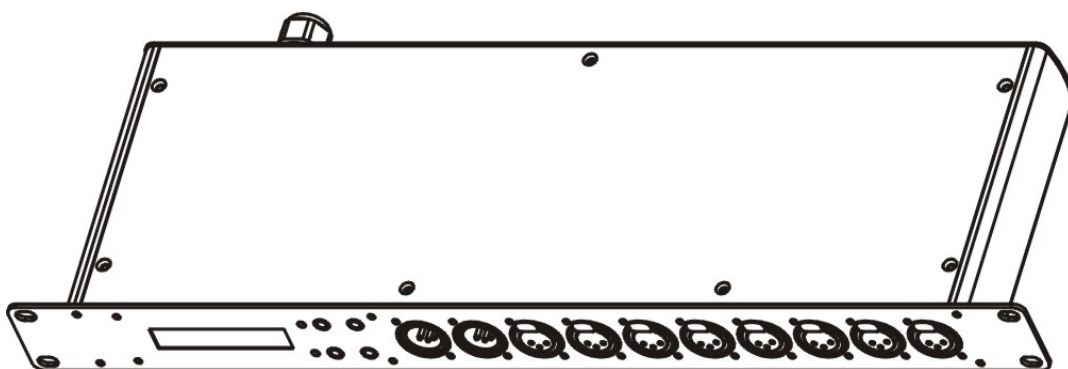




*PROFESSIONAL LED BOOSTER USER MANUAL*



**BL-02**

**KEEP THIS MANUAL FOR FUTURE NEEDS** **CE**



Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.

In order to install , operate, and maintain the lighting safety and correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



### **CAUTION!**

**Unplug mains lead before opening the housing.**

## **1.INTRODUCTION:**

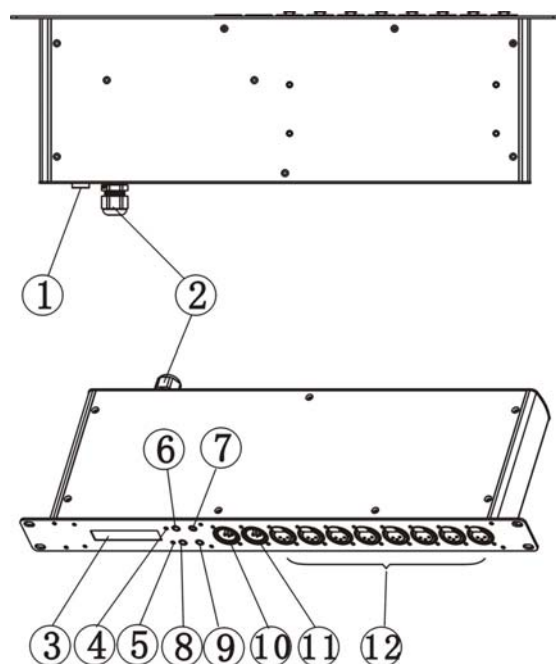
Unpack the device. Inside the box you should find:

### **1. Manual**

Please check carefully that there is no damage caused by transportation. Should there be any, consult your dealer and don't install this device.

BL-02 is a versatile function devices, which can receive and deal with two kinds of different signals , than it follows DMX512 signal amplifier output. Signal input from the A, B two signal port, can transpose to the 8 separate output ports or 4 a group, two sets of output ports 512 standard signal channel, but also have the the function of strengthen and amplifiy signal, each output signal is independent , each of them has a separate source of information to provide a signal without disturbing each other, each signal output port can be used alone or be used in combination, even if a signal output port failure will not affect the normal use of the other output port. BL-02 have three-pin and 5 pin Caron two models as per Caron. customers can buy with their own use requirements.

## 2.Overview




- 1) Fuse
- 2) Power supply
- 3) Display
- 4) Indicator A
- 5) Indicator B
- 6) Menu-button
- 7) Up-button
- 8) Enter-button
- 9) Down-button
- 10) A DMX in
- 11) B DMX in
- 12) DMX out

## 3.SAFETY INSTRUCTIONS

### 3.1) Important safety warns

	<b>CAUTION!</b> Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!
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This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

 **Important:**  
*Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.*

The electric connection must carry out by qualified person.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

**Please be aware that damages caused by manual modifications to the device are not subject to warranty. Keep away from children and non-professionals.**

### 3.2)GENERAL GUIDELINES

This fixture is only allowed to be operated with the max alternating current which stated in the technical specifications in the last page of this manual.

Lighting effects are not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.

Do not shake the device.Avoid brute force when installing or operating the device.

While choosing the installation-spot, please make sure that the device is not exposed to extreme heat, dust.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden.

If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to short-circuit, burns, electric shock, lamp explosion, crash, etc.

For safty, plese turn to the authorised person for the maintaining in certain period. The wrong installation or operation would be danger.



#### **CAUTION!**

**Before taking into operation for the first time,  
the installation has to be approved by an expert.**

### 4.DMX-512 connection

Input the signal source to A, B, input ports and connect to the 8 output ports as per output needs or selection mode , take note when input the two signal indicator which corresponding to the input ports shows the input signal is stable or not, in order to avoid the output signaleffect.

DMX Output  
5-Pin XLR Socket



DMX Input  
5-Pin XLR Socket



1: Ground  
2: Signal (-)  
3: Signal (+)  
4: N.A.  
5: N A

## 5. Control Board

The Control Board offers several features: you can simply set the starting menu or make a reset.

**[Menu]:** Press this key to enter into edit mode. Press this key under the edit mode if you want to return to previous menu. it will exit from edit mode 60 seconds after the last keypress

**[UP]:** Screen will flash when pressing this key in normal mode, the adress value will increasing. Keep pressing this key, the address value will increase rapidly. it will exit from flash 60 seconds after the last keypress. Press this key under edit mode, you can choose the function you want from the buttom up in the menu.

**[DOWN]:** Screen will flash when pressing this key in normal mode, the adress value will idecreasing. Keep pressing this key, the address value will decrease rapidly. it will exit from flash 60 seconds after the last keypress. Press this key under edit mode, you can choose the function you want from the top down in the menu.

**[ENTER]:** This key is functionless when in normal mode. Press this key under the edit mode, it will enter into next menu.

Function Mode	Set Dmx Address Set Mode	A001~AXXX No function, Split A->8, Split A->8 (hold), Split 2->4, Split 2->4 (hold), Shifter A->4+4, Merger HTP, Merger Shift, A backupd by B, B backupd by A	DMX address setting Setup mode(0~9)
Information	Product Info	Triton Blue DMX Repeater	Product information
	Software Version	Ver1.0.1.....	Software version of each IC
Personality	Reset Default	ON/OFF	Restore factory set.

Default settings shaded

## 1. FUNCTION MODE

### 1) Set DMX Address

With this function, you can adjust the desired DMX-address via the Control Board.

1. Access the main menu.
2. Tap the <Up/Down>button until “Set DMX Address” is displayed.
3. Press ENTER, the display will show “Set DMX Address” .
4. Tap the <Up/Down>button, the display will show “A001~AXXX”
5. Press ENTER to confirm or press <MODE/ESC> to return to the main menu.

### 2) Set Mode

1. Access the main menu.
2. Tap the <Up/Down>button until “Set Mode” is displayed.
3. Press ENTER, the display will show “Set Mode” .
4. The display show “Split A->8 (hold)” ,Press <Up/Down>, the display will show other.
5. Press ENTER to confirm or press <MODE/ESC> to return to the main menu.

## **2. Information**

### **1) Product Info**

1. Access the main menu.
2. Tap the <Up/Down>button until “Product Info” is displayed.
3. Press ENTER, the display will show “Product Info” .
4. The display show “Terbly BL-02”,Press <Up/Down>, the display will show “DMX Repeater”.
5. Press ENTER to confirm or press <MODE/ESC> to return to the main menu.

### **2) Software Version Software version**

With this function, you can display the software version of the device.

1. Tap <MODE/ESC>button, access the main menu, Tap the <Up/Down>button until “Information” is displayed. Press ENTER, the display will show “Information” .
2. Press <Up/Down>, the display will show “Software version” .
3. Press< ENTER>, the display will show “Software version” .
4. The display show “Ver 1.0.....”.
5. Press <ENTER> to confirm or press <MODE/ESC> to return to the main menu.

## **3. PERSONALITY**

### **1) Restore Default**

With this function, you can select restore factory set for ON or OFF, the default is OFF.

1. Tap <MODE/ESC>button, access the main menu, Tap the <Up/Down>button until “Personality” is displayed. Press ENTER, the display will show “Personality” .
2. Press <Up/Down>, the display will show “Restore Default” .
3. Press< ENTER>, the display will show “Restore Default” .
4. The display show “OFF” ,Press <Up/Down>, the display will show “ON”.
5. Press <ENTER> to confirm or press <MODE/ESC> to return to the main menu.

## **6、 Operation model manual**

1.No function: port 1~ 8 output 0

2.Split the A-> 8: A port for the signal input, do not use the B port; port 1~ 8 for signal output; when the input signal have an error occurs, the port 1~ 8 output 0;

3.The Split A-> 8 (hold): function same with the Split A-> 8; when the input signal have an error occurs, ports 1 ~8 to keep the normal output

4.Split 2 -> 4: A port for the signal input, the corresponding port 1 ~ 4 for the signal output, when the A port input signal have an error occurs, the port 1~ 4 outputs the 0B port  
for signal input, the corresponding port 5 ~8 for the signal output; when the B port input signal have an error occurs, the port 5~ 8 output 0;

5.Split 2 -> 4 (hold): function same with the Split 2 -> 4; when the input signal have an error occurs, ports 1 ~8 to keep the normal output;

6.Shifter A, -> 4 +4: A ports for signal input, do not use the B port; port 1 ~ 4 output the original signal directly, port 5 ~8 outputs the shift signal (the address value ‘s channel as the first channel output,the channel

after that follow same.

7.Merger HTP,: port 1~8 to port A and B in the same channel, the large value treat as a signal output;

8.Merger Shift: port 1 ~8 output ports A and B's combined signal, the channel before the address value which corresponding to the A port-channel is output, the channel begin the address value output the first channel of B port, the channel after that follow same.

9.A, backuped by B: Port A signal output priority, signal backup output for port B

10. B, backuped by A :signal B output priority signal backup output for Port A

11.Signal Indicator A, B, corresponding to indicates the port A, B, signal reception. When the signal light is not on or flashing, indicating that the port no signal or poor reception; indicator lights stability, said signal reception.

## 7.CLEANING AND MAINTENANCE

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
  - 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
  - 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
  - 4) The electric power supply cables must not show any damage, material fatigue or sediments.
- Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



### CAUTION!

Disconnect from mains before starting maintenance operation.

## 8.TECHNICAL SPECIFICATIONS

**Power supply:**AC 100-240V.50/60Hz;

**Power consumption:**10W

**Net weight:** 2.2kgs

**Gross weight:** 3kgs

**Packing dimensions:** 54x27x8cm

**Remark:** errors and omissions for every information given in this manual excepted. All information is subject to change without prior notice.